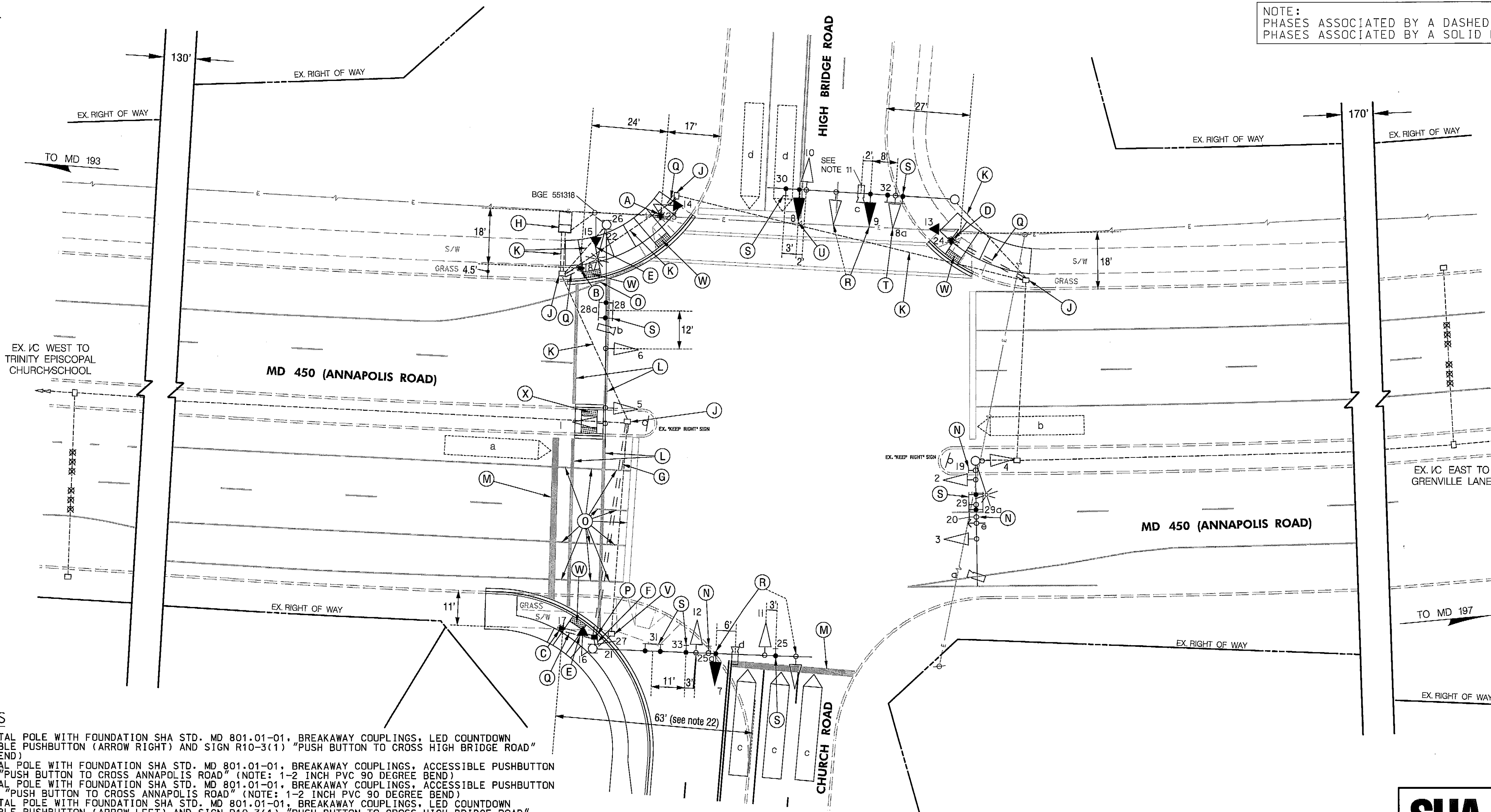
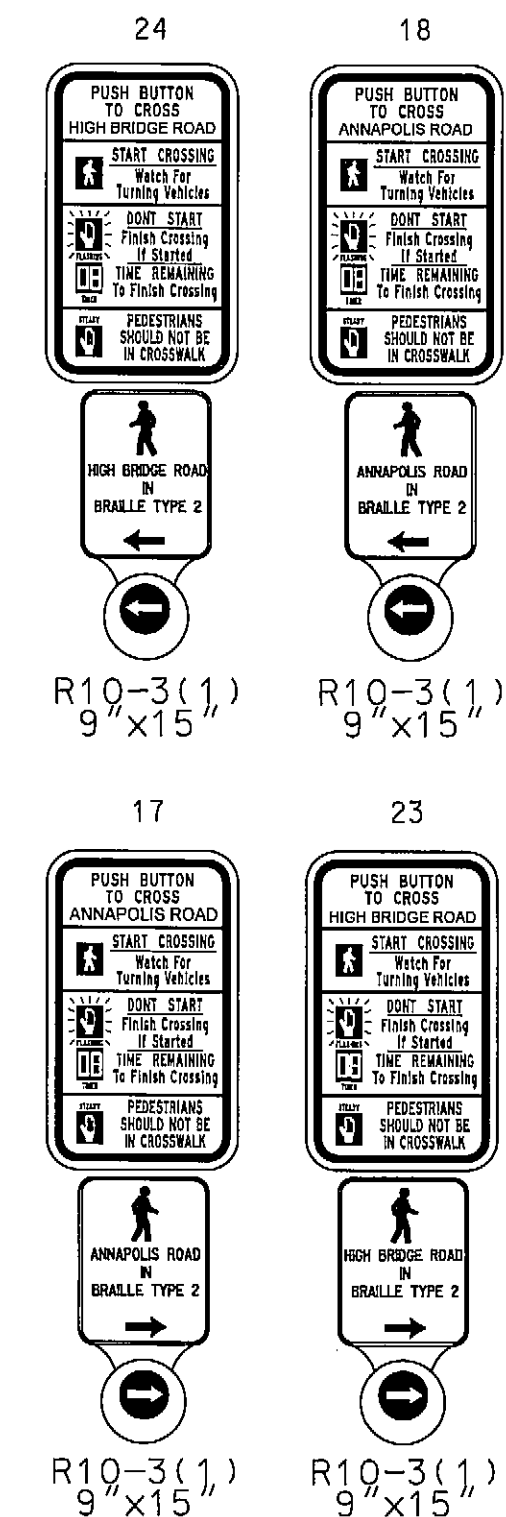


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

#### PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



#### GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING AND VIDEO PROGRAMMING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
4. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
5. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
6. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
7. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 816.01, MD 816.02 AND MD 816.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
8. PROPOSED GEOMETRIC MODIFICATIONS (ROADWAY WIDENING, MEDIAN CONSTRUCTION, PEDESTRIAN RAMPS, AND DETECTABLE WARNING SURFACES) WILL BE CONSTRUCTED BY THE ROADWAY CONTRACTOR. THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE ROADWAY CONTRACTOR AS NECESSARY.
9. THE CONTRACTOR SHALL REMOVE ALL ABANDONED ELECTRICAL CABLE.
10. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSEWALKS ON NEW CONSTRUCTED RAMPS.
11. THE SHA SIGNAL SHOP WILL REALIGN VIDEO CAMERA 'C' TO ACCOUNT FOR NEW SOUTH LEG GEOMETRY.
12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND FIG. 4E.2, AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR/OFFICE OF TRAFFIC AND SAFETY.
13. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA AND DOES NOT HAVE TO REACH MORE THAN 18 IN. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
14. THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
15. PUSHBUTTON ARROWS ARE TO BE TURNED PARALLEL TO THE CROSSEWALK FOR WHICH THEY ARE INTENDED.
16. ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE CONSTRUCTED PRIOR TO SIDEWALK INSTALLATION.
17. THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK AT THE NEAREST JOINT.
18. THE CONTRACTOR SHALL INTEGRATE PROPOSED CONCRETE FOUNDATIONS WITH NEW SIDEWALK /RAMPS WHERE NECESSARY. THE FOUNDATIONS SHALL BE FLUSH WITH AND PART OF THE FINAL CURB OR SIDEWALK GRADE TO INCREASE ACCESSIBILITY OF PUSHBUTTONS.
19. THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO SIDEWALK AND RAMP IMPROVEMENTS.
20. THE CONTRACTOR SHALL CUT AND CAP EXISTING CONDUIT AND REWIRE SIGNAL FACILITIES USING THE PROPOSED 3 INCH CONDUIT FROM THE NEW HANDHOLE AND THE EXISTING 3 INCH CONDUIT BEND IN THE SIGNAL STRUCTURE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A PEDESTRIAN DETOUR AS DIRECTED BY THE ENGINEER.
22. THE CONTRACTOR SHALL SET LOCATION OF PROPOSED SIGNAL POLES PRIOR TO REMOVAL OF EXISTING GEOMETRY.

#### CONSTRUCTION DETAILS

1. INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS HIGH BRIDGE ROAD" (NOTE: 1-2 INCH PVC 90 DEGREE BEND)
2. INSTALL 5 FOOT BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS ANNAPOIS ROAD" (NOTE: 1-2 INCH PVC 90 DEGREE BEND)
3. INSTALL 5 FOOT BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS ANNAPOIS ROAD" (NOTE: 1-2 INCH PVC 90 DEGREE BEND)
4. INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS HIGH BRIDGE ROAD" (NOTE: 1-2 INCH PVC 90 DEGREE BEND)
5. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD ON EXISTING SIGNAL POLE
6. INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) (SEE NOTE 20)
7. INSTALL 4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
8. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
9. USE EXISTING HANDHOLE
10. USE EXISTING CONDUIT
11. INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES (FOR CROSSEWALK)
12. INSTALL 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES (FOR STOPLINE)
13. REMOVE OVERHEAD SIGN

#### NOTE:

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

EAPD PERMIT NO. \_\_\_\_\_

#### CONSTRUCTION DETAILS (CONT.)

1. REMOVE EXISTING PAVEMENT LINE MARKINGS
2. INSTALL ELECTRICAL HANDHOLE
3. INSTALL 2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
4. RELOCATE EXISTING VEHICULAR TRAFFIC SIGNAL HEAD
5. INSTALL OVERHEAD SIGN
6. REMOVE VEHICULAR TRAFFIC SIGNAL HEAD
7. INSTALL LED VEHICULAR TRAFFIC SIGNAL HEAD
8. ELECTRICAL HANDHOLE TO BE REMOVED BY CLASS II EXCAVATION (CAP CONDUIT AS NECESSARY)
9. INSTALL COMBINATION SIDEWALK RAMP MD STD. 655.13 (SEE NOTE 8)
10. INSTALL RAMPED MEDIAN OPENING MD STD. 655.22 (SEE NOTE 8)

#### GEOMETRIC LEGEND

— EXISTING  
= PROPOSED

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UTILITY LEGEND	
—SD—	STORM DRAIN
—G—	GAS MAIN
—W—	WATER MAIN
—S—	SEWER MAIN
—E—	ELECTRIC CABLES
—A—	AERIAL CABLES
—T—	TELEPHONE CABLES
—F—	FIBER-OPTIC

APPROVALS	REVISIONS
TEAM LEADER	① SIGNAL MODIFICATION DUE TO WIDENING OF SOUTH LEG AND 450 NORTH AND WEST LEG. 7/2011
ASSY. DIV. CHIEF	② SIGNAL MODIFICATION DUE TO RECONSTRUCTION OF MD 450. 10/2001
DIVISION CHIEF	③ INSTALL OPTICOM DETECTOR EYE WB MD 450. 6/98
OFFICE DIRECTOR	

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 450 (ANNAPOIS ROAD) AT HIGH BRIDGE ROAD	
SIGNALIZATION PLAN SHEET	
SCALE 1" = 20'	DATE OCTOBER 2001 CONTRACT NO. PG9005571
DESIGNED BY	COUNTY PRINCE GEORGE'S
DRAWN BY MB	LOGMILE 16045010.42
CHECKED BY STB	TMS NO. D538
F.A.P. NO.	TOD NO.
TS NO. TS-3193D	DRAWING SG-01 OF 02
SHEET NO. OF	

PLOTTED: Tuesday, July 12, 2011 AT 11:13 PM